

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2004/002003

**A. CLASSIFICATION OF SUBJECT MATTER:** C07D403/14, C07D403/12, A61K39/395, A61K31/53, A61P37/00, A61M1/36, C07K1/22, C07K16/24

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols) (IPC 7): C07D, A61K, A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used) Canadian Patent Database, PubMed, Delphion, STN, Espacenet.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, Y	US 5629382 (MINISTERO DELL'UNIVERSITA'E DELLA RICERA SCIENTIFICA E TECNOLOGICA) 13 May, 1997 (1997-05-13) Entire document	1- 5
X, Y	US 5606055 (HAKKLO CHEMICAL Co., Ltd.) 25 February 1997 (1997-02-25) entire document	1, 3
X, Y	EP 0310139 A2 (FUJI PHOTO FILM Co., Ltd.) 5 April, 1989 (1989-04-05) see pages 6-13	1-3

Further documents are listed in the continuation of Box C.

Patent family members are listed in annex. **X**

* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
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Date of the actual completion of the international-type search  
27 January 2005 (27-01-2005)

Date of mailing of the international-type search report  
16 March 2005 (16-03-2005)

Name and mailing address of the ISA/CA  
*Commissioner of Patents*  
*Canadian Patent Office - PCT*  
*Ottawa/Gatineau K1A 0C9*  
 Facsimile No. 1-819-953-9358

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### Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons :

1.  Claims Nos. : 16-20  
because they relate to subject matter not required to be searched by this Authority; namely:  
  
Although claims 16-20 are directed to a method of treatment of the human/aminal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically :
3.  Claims Nos. :  
because they are dependant claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observation where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows :

Claims 1-21 and 24 relate to mono or disubstituted triazine dimers and compositions thereof useful for the treatment of autoimmune disease.

Claims 22 and 23 relate to methods of removal of human antibodies, purification and binding of antibodies using mono or disubstituted triazine dimers by circulating blood or other physiological fluid through an apheresis column.

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos. :
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos. : 1-21 and 24

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.  
PCT/CA2004/002003

Patent Document Cited In Search Report	Publication Date	Patent Family Member(s)	Publication Date
US5606055	25-02-1997	DE4334735 A1 JP3210095B2 US5514213 A US5606055 A	14-04-1994 17-09-2001 07-05-1996 25-02-1997
EP0310139	05-04-1989	EP0310139 A2 JP1091131 A JP1154140 A US4963461 A	05-04-1989 10-04-1989 16-06-1989 16-10-1990
US5629382	13-05-1997	AT166092T AU653275B2 AU2837492A AU2926092A CA2082867A1 DE69225458D1 DE69225458T2 DK542369T3 EP0542369A1 ES2117031T3 IT1252291B JP6504580T US5629382A WO9310179A1	15-05-1998 22-09-1994 20-05-1993 15-06-1993 15-05-1993 18-06-1998 19-11-1998 18-01-1999 19-05-1993 01-08-1998 08-06-1995 26-05-1994 13-05-1997 27-05-1993